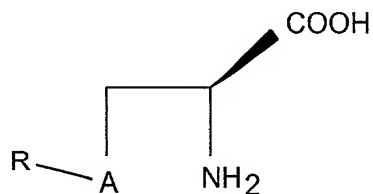


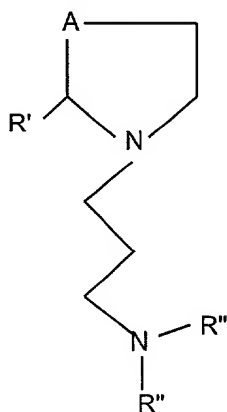
ABSTRACT OF THE DISCLOSURE

Disclosed is a prodrugs of the formula:



- 5 where A is a sulfur or a selenium, and R is derived from a mono- di- or oligo- saccharide.

Also disclosed is a prodrug of the formulas;



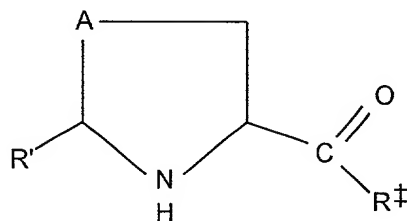
where A is sulfur or selenium, R' is derived from a sugar and R' has the formula

$(\text{CHOH})_n\text{CH}_2\text{OH}$, where n is 1 to 5, or R' is an alkyl or aryl group, or

- 10 R' is =O, and the R'' groups may be the same or different and may be hydrogen, alkyl, alkoxy, carboxy.

Also disclosed is a conjugate of an antioxidant vitamin and a thiolamine or selenolamine.

Also disclosed is a prodrug of the formula;

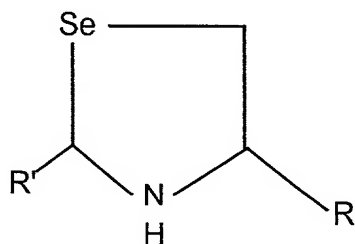


- 15

where A is sulfur or selenium, and R' is derived from a sugar and R' has the formula

$(\text{CHOH})_n\text{CH}_2\text{OH}$, where n is 1 to 5, or R' is also be an alkyl or aryl group, or R' is $=\text{O}$, and R^\dagger is an alkoxy, or an amine group.

Also disclosed is a prodrug of the formula:



- 5 R is COOH or H , and R' is derived from a sugar and R' has the formula $(\text{CHOH})_n\text{CH}_2\text{OH}$, where n is 1 to 5, or R' is an alkyl or aryl group, or R' is $=\text{O}$.